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this series which have roughened oospores, we find that only *N.* *obtusa* Allen has apiculate leaves; the others have acuminate leaves. From *N. obtusa* the Japanese species is easily distinguished by its small size and small leaves and by its smaller oospore with very few striae or ridges.

Note on Chara sejuncta A. Br.

By T. F. Allen.

Chara sejuncta A. Br. is one of our common plants, but so variable that extreme forms might well be taken for distinct species. The stem is at times covered with long spines; the bracts on the nodes of the leaves as long as or longer than the oogonia; the lowest (naked) segment of the leaf (often a distinctive specific character) is also variable as to length and size. The size of the oospore also, usually the most reliable diagnostic feature of a species, varies greatly. Like other species, the stems may be elongated, slender and diffusely branched, or condensed, stout and simple; of this latter feature no note need be made, but of the size of the oospore and of the length of the bracts in relation to the size of the oogonia, and of the spines to the diameter of the stem, a word is timely. A Mexican form collected recently by Mr. Pringle gives us spines one-half the diameter of the stem in length, lowest leaf node equaling the stipules, anterior bracts one-half the length of the oogonium, oospore with 12–13 ridges, 535 long, 300 broad; antheridium 190 in diameter. These measurements are peculiar and hitherto unique.

This summer I have collected in Lake Champlain and Saratoga Lake (in both localities), always in company with *Chara gymnopus elegans* A. Br., a form with oospores 756 long by 480 broad, having 11 ridges, the bracts quite unilateral, the anterior one-third to one-half the length of the oogonium, the posterior minute and not noticed, the naked node as long as the upper row of stipules; the spines of the stem numerous and minute. The plants are short and compact, of a curiously smooth naked appearance, especially in Lake Saratoga, where they are not so encrusted as in Lake Champlain. This form should be designated as *Chara sejuncta* A. Br., forma compacta, sub-inermis, microptila, unilateralis macrospora.